



(51) International Patent Classification:

A61H 23/02 (2006.01) A61M 35/00 (2006.01)
A61H 37/00 (2006.01)

(21) International Application Number:

PCT/US2013/076110

(22) International Filing Date:

18 December 2013 (18.12.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/739,453 19 December 2012 (19.12.2012) US
13/964,099 11 August 2013 (11.08.2013) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,

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(54) Title: APPARATUS WITH ELLIPTICAL MOVEMENT FOR SKIN CLEANSING, STIMULATION AND DELIVERY OF TREATMENTS

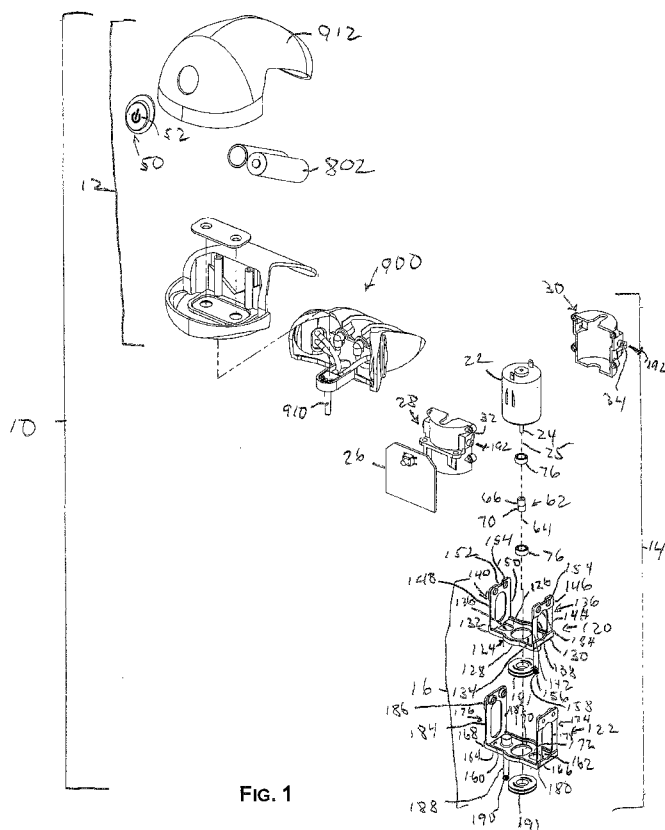


FIG. 1

(57) Abstract: A device for providing elliptical path motion to skin or other surface. The device includes a motor, shaft, and a cam having at least one offset axis cam lobe for creating offset motion. A mounting bracket assembly that has a pair of arms associated with the motor can be moved by the cam in an elliptical path having X-axis, Y-axis and, in exemplary embodiments, Z-axis movement. The mounting bracket assembly may have two brackets, each being associated with an oscillating plate. Each oscillating plate may have a plurality of protrusions or tufts of bristles protruding therefrom. Elliptical movement of the oscillating plates creates offset elliptical motion of the protrusions associated with each oscillating plate. A fluid delivery system may be incorporated to provide fluid through the device. The device may be used for cleaning, stimulation or treatment of skin.



SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,

Published:

- with international search report (*Art. 21(3)*)
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (*Rule 48.2(h)*)